

Prüfbericht - Nr.: Test Report No.

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Oregon SCIENTIFIC

Water Resistant Remote Sensor with LCD Display

Model: THGR228N

Water Resistant Remote Sensor

Model: THGN228N

USER MANUAL

INTRODUCTION

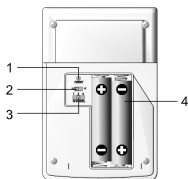
Thank you for selecting the Oregon Scientific™ remote thermo-hydro sensor (THGR228N / THGN228N). This product is compatible with various wireless weather station products.

Keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know about.

PRODUCT OVERVIEW



1. LCD display (the THGN228N does not have an LCD screen). Shows the channel number, temperature and humidity readings, and comfort level
2. LED status indicator



1. RESET hole
2. °C/°F switch (THGN228N does not have this switch)
3. CHANNEL number (1-3)
4. Battery compartment

GETTING STARTED

BATTERIES

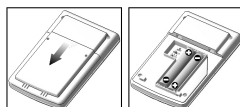
Insert batteries before first use, matching the polarity (+ and -) as shown in the battery compartment. For best results, install batteries in the remote sensor before the main unit. Press **RESET** after each battery change.

NOTE It is recommended that you use alkaline batteries with this product for longer performance and lithium batteries in below freezing temperatures (0°C / 32°F). Do not use rechargeable batteries.

 shows on the THGR228N when the batteries are low.

SET UP SENSOR

1. Slide battery door open.
2. Insert the batteries, matching the polarity (+ and -).



3. Set the channel. If you are using more than one sensor, select a different channel for each sensor.
4. THGR228N only - Set the temperature unit.
5. Place the sensor near the main unit. Press **RESET** on the sensor. Then, press the appropriate main unit button (as specified in the main unit manual) to initiate signal sending between the sensor and the main unit. The reception icon on the main unit will blink for approximately 3 minutes while it is searching for the sensor.
6. Close the sensor battery compartment.
7. Secure the sensor in the desired location using the wall mount or table stand.



For best results:

- Insert the batteries and select the channel before you mount the sensor.
- Place the sensor out of direct sunlight and moisture.
- Do not place the sensor more than 98 feet (30 meters) from the main (indoor) unit.
- Position the sensor so that it faces the main (indoor) unit, minimizing obstructions such as doors, walls, and furniture.
- Place the sensor in a location with a clear view to the sky, away from metallic or electronic objects.
- Position the sensor close to the main unit during cold winter months as below-freezing temperatures may affect battery performance and signal transmission.

You may need to experiment with various locations to get the best results.

Standard Alkaline batteries contain significant amounts of water. Because of this they will freeze in low temperatures of approximately -12°C (10°F). Disposable Lithium batteries have a much lower threshold for temperature with an estimated freezing range of below -40°C (-40°F). The Liquid Crystal Display in outdoor thermometers will remain operational to -29°C (-20°F) with adequate power.

Wireless ranges can be impacted by a variety of factors such as extremely cold temperatures. Extreme cold may temporarily reduce the effective range between the sensor and the base station. If the unit's performance fails due to low temperature, the unit will resume proper functioning as the temperature rises to within the normal temperature range (i.e. no permanent damage will occur to the unit due to low temperatures).

PRECAUTIONS

This product is designed to give you years of service if handled properly. Observe the following guidelines:

- Clean the unit with a slightly damp cloth and mild detergent.
- Do not subject the unit to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper with the internal components. Doing so will terminate the unit's warranty and may cause damage. The unit contains no user-serviceable parts.
- Do not mix new and old batteries or batteries of different types.
- Remove the batteries if storing this product for a long period of time.
- Do not scratch the LCD display.
- Do not make any changes or modifications to this product. Unauthorized changes may void your right to use the product.

NOTE The technical specification of this product and contents of this user guide are subject to change without notice. Images not drawn to scale.

COMFORT LEVEL

The Comfort Zone indicates how comfortable the climate is, based on current temperature and humidity measurements.

ZONE	TEMPERATURE	HUMIDITY
WET	Any	>70%
COM	20-25 °C (68-77 °F)	40-70%
DRY	Any	<40%

TROUBLESHOOTING

PROBLEM	SYMPTOM	REMEDY
Remote sensor	Cannot locate remote sensor	Check batteries
	Cannot change channel	Check location
	Data does not match main unit	Check sensors. Only one sensor is working
		Initiate a manual sensor search

SPECIFICATIONS

L x W x H	92x60x20 mm (3.6 x 2.4 x 0.79 inches)
Weight	62 grams (2.22 ounces)
Humidity range	5% to 95%
Humidity resolution	1%
Temp. unit	°C(°F)
Temp. outdoor range	-30°C (-22°F) to 60°C (140°F)
Temp. resolution	-1°C (0.2°F)
RF frequency	433 MHz
Range	30 meters (98 feet)
Transmission	Every 40 seconds
Channel No.	1 - 3
Batteries	2 x UM-4 (AAA) 1.5V

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our Customer Care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you're in the US and would like to contact the Oregon Scientific Customer Care department directly, please visit:

www2.oregonscientific.com/service/support

OR

Call 1-800-853-8883.

For international inquiries, please visit:
www2.oregonscientific.com/about/international

INDUSTRY CANADA STATEMENT

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

IC: 3277A-THX2XBXR

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product for all inquiries instead.

We
Name: Oregon Scientific, Inc.
Address: 18661 SW 95th Ave., Tualatin,
Oregon 97062 USA
Telephone No.: 1-800-853-8883

declare that the product

Product No.: THGR228N / THGN228N
Product Name: Remote Sensor
Manufacturer: IDT Technology Limited
Address: Block C, 9/F, Kaiwei Estate,
Phase 1, 41 Man Yue St.,
Hung Hom, Kowloon,
Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

EU DECLARATION OF CONFORMITY

Herby, Oregon Scientific, declares that the Remote Sensor (model THGR228N / THGN228N) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

COUNTRIES RTTE APPROVAL COMPLIED
All EU countries, Switzerland  and Norway 

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